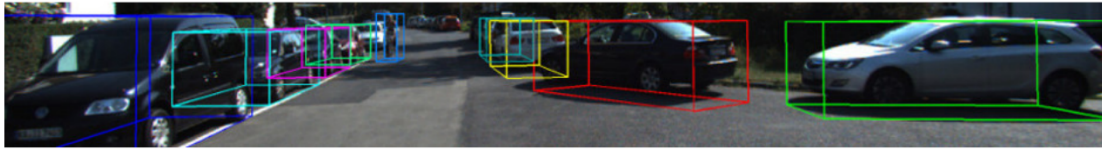# CS 271 CGII HW3

Research Survey and Experiments for 3D Object Detection

Background

   We have introduced many methods for 3D detection with different inputs, such as monocular image, stereo images, and point clouds. Pick one input format and try your best to do the research survey. Please read one good paper carefully and retell the paper in your report by **your own words and understanding.** You can use the code released by the authors or implement the method in the paper by yourself to do the experiments on KITTI 3D object datasets.

Requirements

1. Give the paper title and link.

2. Your report should include the background, the method description, and the results based on your own understanding for the paper.

   (40)

3. Your report should include a part for your own analysis for the paper, such as the pros and cons, the comparison with other related methods, etc.

   (20)

4. Design the experiments and show the results by running the code on KITTI 3D object dataset followed by detailed analysis. Do not copy the results shown in the paper.

   (30)

5. Give comments on how to improve the method.

   (10)